

750-22 guruh talabasi Ahmadaliyev Javohir

TATU Farg'ona filiali talabalarining MB sxemasini yaratish

```
CREATE DATABASE TATU_Fargona;
```

```
USE TATU_Fargona;
```

```
-- Talabalar jadvali
```

```
CREATE TABLE Students (  
    student_id INT PRIMARY KEY AUTO_INCREMENT,  
    first_name VARCHAR(50) NOT NULL,  
    last_name VARCHAR(50) NOT NULL,  
    birth_date DATE,  
    gender ENUM('Erkak', 'Ayol'),  
    group_id INT,  
    phone VARCHAR(15),  
    email VARCHAR(100) UNIQUE,  
    FOREIGN KEY (group_id) REFERENCES Groups(group_id)  
);
```

```
-- Guruhlar jadvali
```

```
CREATE TABLE Groups (  
    group_id INT PRIMARY KEY AUTO_INCREMENT,  
    group_name VARCHAR(20) UNIQUE NOT NULL,  
    department VARCHAR(100) NOT NULL  
);
```

```
-- Fanlar jadvali
```

```
CREATE TABLE Subjects (  
    subject_id INT PRIMARY KEY AUTO_INCREMENT,
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subject_name VARCHAR(100) NOT NULL,  
credits INT  
);
```

-- O'qituvchilar jadvali

```
CREATE TABLE Teachers (  
    teacher_id INT PRIMARY KEY AUTO_INCREMENT,  
    first_name VARCHAR(50) NOT NULL,  
    last_name VARCHAR(50) NOT NULL,  
    department VARCHAR(100)  
);
```

-- Baholar jadvali

```
CREATE TABLE Grades (  
    grade_id INT PRIMARY KEY AUTO_INCREMENT,  
    student_id INT,  
    subject_id INT,  
    teacher_id INT,  
    grade ENUM('A', 'B', 'C', 'D', 'F'),  
    exam_date DATE,  
    FOREIGN KEY (student_id) REFERENCES Students(student_id),  
    FOREIGN KEY (subject_id) REFERENCES Subjects(subject_id),  
    FOREIGN KEY (teacher_id) REFERENCES Teachers(teacher_id)  
);
```

-- Ma'lumotlarni qo'shish

```
INSERT INTO Groups (group_name, department) VALUES  
( '611-22', 'Dasturiy injiniring'),
```

('657-22', 'Axborot xavfsizligi'),  
('620-21', 'Kompyuter injiniringi');

INSERT INTO Students (first\_name, last\_name, birth\_date, gender, group\_id, phone, email)  
VALUES

('Javohir', 'Xolmirzayev', '2001-03-15', 'Erkak', 1, '+998901234567',  
'javohir.xolmirzayev@example.com'),  
('Dilnoza', 'Karimova', '2002-07-22', 'Ayol', 2, '+998902345678',  
'dilnoza.karimova@example.com'),  
('Sherzod', 'Olimov', '2000-12-05', 'Erkak', 3, '+998903456789',  
'sherzod.olimov@example.com');

INSERT INTO Subjects (subject\_name, credits) VALUES

('Ma'lumotlar bazasi', 3),  
('Algoritmlar', 4),  
('Kompyuter tarmoqlari', 3);

INSERT INTO Teachers (first\_name, last\_name, department) VALUES

('Anvar', 'Raximov', 'Dasturiy injiniring'),  
('Gulnoza', 'Saidova', 'Axborot xavfsizligi'),  
('Baxtiyor', 'Qodirov', 'Kompyuter injiniring');

INSERT INTO Grades (student\_id, subject\_id, teacher\_id, grade, exam\_date) VALUES

(1, 1, 1, 'A', '2024-01-10'),  
(2, 2, 2, 'B', '2024-01-15'),  
(3, 3, 3, 'C', '2024-01-20');

1. Students jadvali:

student_id	first_name	last_name	birth_date	gender	group_id	phone
1	Javohir	Xolmirzayev	2001-03-15	Erkak	1	+998901234567
2	Dilnoza	Karimova	2002-07-22	Ayo1	2	+998902345678
3	Sherzod	Olimov	2000-12-05	Erkak	3	+998903456789

2. Groups jadvali:

group_id	group_name	department
1	611-22	Dasturiy injiniring
2	657-22	Axborot xavfsizligi
3	620-21	Kompyuter injiniringi

3. Subjects jadvali:

subject_id	subject_name	credits
1	Ma'lumotlar bazasi	3
2	Algoritmlar	4
3	Kompyuter tarmoqlari	3

4. Teachers jadvali:

teacher_id	first_name	last_name	department
1	Anvar	Raximov	Dasturiy injiniring
2	Gulnoza	Saidova	Axborot xavfsizligi
3	Baxtiyor	Qodirov	Kompyuter injiniringi

5. Grades jadvali:

grade_id	student_id	subject_id	teacher_id	grade	exam_date
1	1	1	1	A	2024-01-10
2	2	2	2	B	2024-01-15
3	3	3	3	C	2024-01-20